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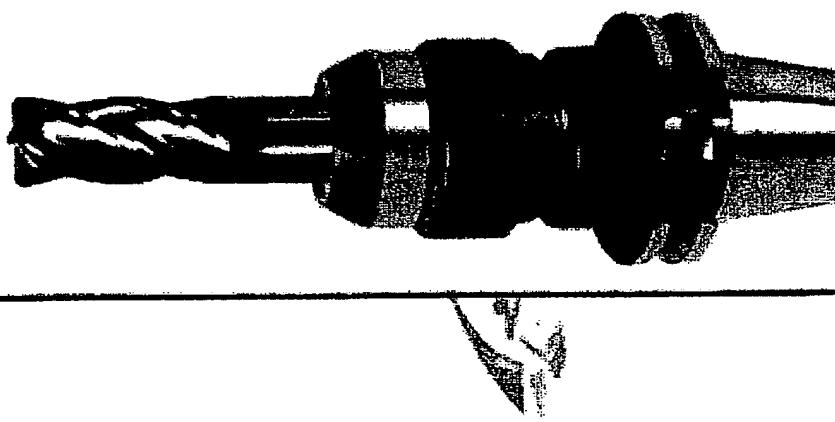
EXHIBIT A



MELIN TOOL COMPANY
5565 Ventures Dr., Cleveland, Ohio 44130
Phone: (216) 362-4200 or (800) 521-1078 • Fax: (216) 362-4230 or (800) 521-1650

MELIN HIGH PERFORMANCE END MILLS AND HOLDERS

MELIN Variable HELIX



- 4 and all new 5 flute variable helix end mills
- Designed for high feed rates and reduced chatter
- Small corner radius and AlTiN coated for maximum tool life
- Made from premium submicron grain carbide
- 2 and 4 flute spherical ball end with 220° cutting radius
- Reduced neck diameter for undercutting
- Inch and metric sizes
- Standard and long lengths
- Made from premium submicron grain carbide
- All tools AlTiN coated

ALUMINUM CUTTING

- 2 flutes for heavy stock removal, chip load of .040" per tooth
- 3 flutes for lighter finish cuts
- Standard and long lengths
- Inch and metric sizes
- Made from premium submicron grain carbide

TOOL HOLDERS

- Water style chuck
- Available CAT - HSK - BT - ISO
- .0001" runout at 2-1/2 times the diameter
- Slim nose design
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